## In the name of Allah, the Most Gracious, the Most Merciful



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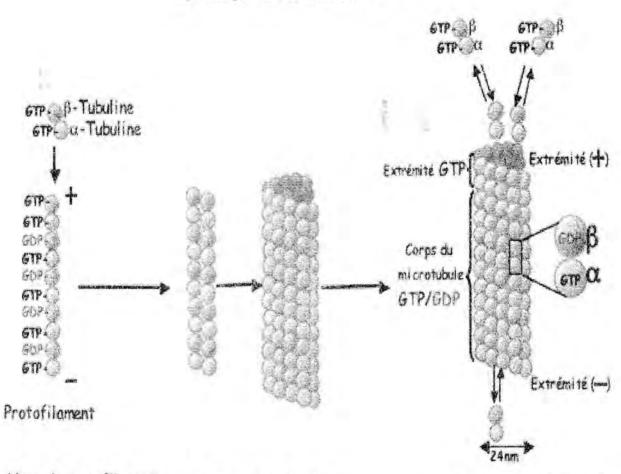




2014/2015

## Cyto-physio-cellulaire. ChapitreVI: Elements du cytosquelette

### Dynamique des microtubules



1-Assemblage du protofilament: polymérisation de dimères de tubulines a et  $\beta$ 

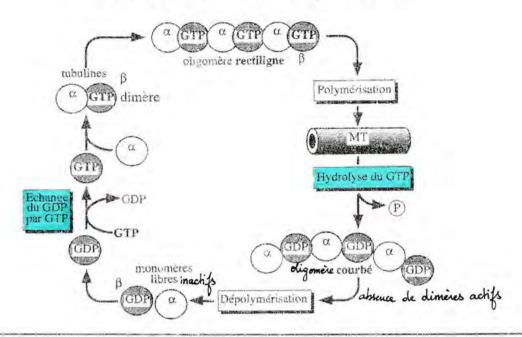
2-Association latérale de protofilaments

3-Elongation du microtul

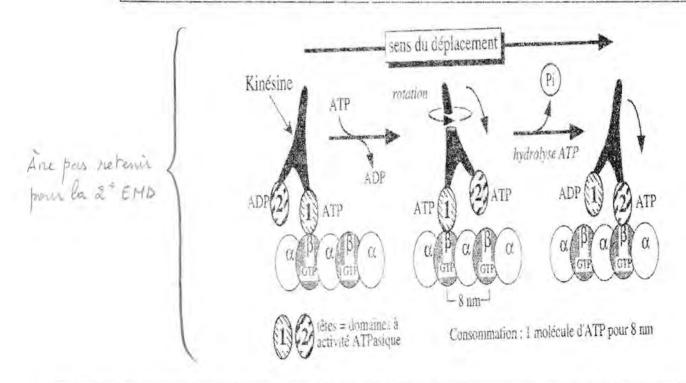
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L'interactions des tubulines \( \beta \) avec le GTP ou le GDP est déterminante pour le mécanisme de polymérisation ou dépolymérisation des MT



L'hydrolyse alternée de l'ATP par les têtes de kinésines détermine un pas de course de8nm

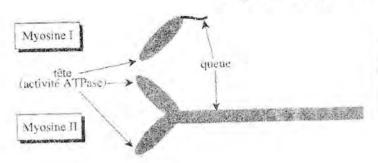
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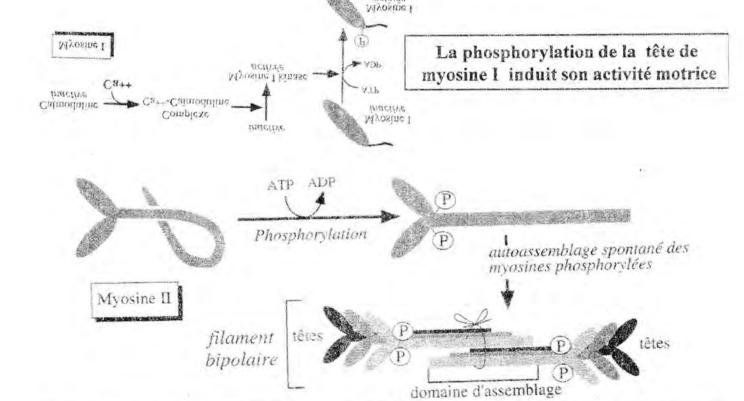
# Cyto-physio-cellulaire.

## ChapitreVI: Elements du cytosquelette

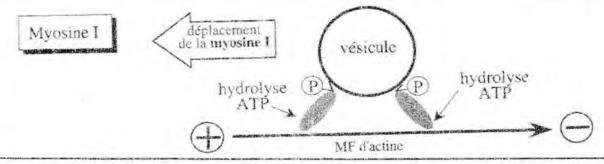
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Les différences structurales des protéines de de myosine I et II et leurs implications fonctionnelles



## La phosphorylation de la myosine II conduit à la formation d'un filament bipolaire

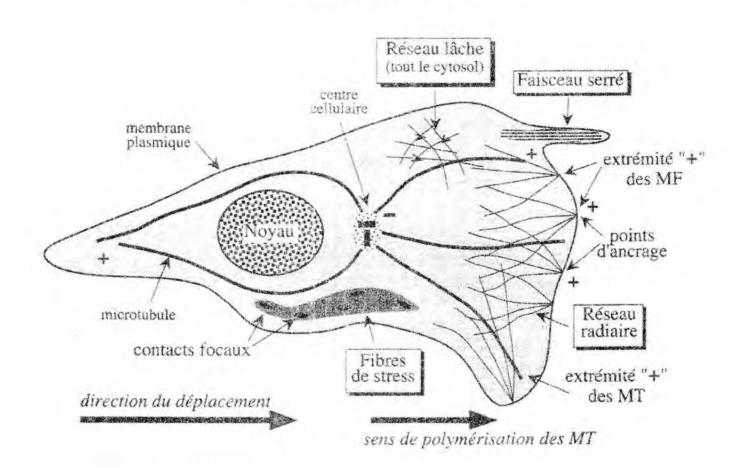


Implication de la myosine I dans le déplacement des vésicules destinées à l'exocytose

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## Cyto-physio-cellulaire. ChapitreVI: Elements du cytosquelette



Les différents types d'organisation des MFF d'actine dans le cortex d'un fibroblaste en mouvement sur un support de culture ( vue par transparence

Mmes Dekar & Benzine